#4

SEQUENCE LISTING

<110> Zyskind, Judith W.
Forsyth, Allyn

<120> METHOD FOR IDENTIFYING MICROBIAL PROLIFERATION GENES

<130> 07252/008002

<140> 09/805,664
<141> 2001-03-13

<150> 08/971,090
<151> 1997-11-14

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<212> RNA
<213> Escherichia coli lepB

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ggcauggcga auauguuugc ccugauucug gugauugcca cacuggugac gggcauuuua 180
uggugcgugg auaaauucuu uuucgcaccu aaacggcggg aacgucaggc agcggcgcag 240
gcggcucggg acucacugga uaaagcaacg uugaaaaagg uugcgccgaa gccuggcugg 300
cuggaaaccg gugcuucugu uuuuccggua cuggcuaucg uauugauugu gcguucguuu 360
auuuaugaac cguuccagau cccgucaggu ucgaugaugc cgacucuguu aauuggugau 420
uuuauucugg uagagaaguu ugcuuauggc auuaaagauc cuaucuacca gaaaacgcug 480

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aagcuu 546

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<213> Escherichia coli viaA

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uacucgacuu uugcacugac ugaaaaggac aaauuaaugu uaaaaaagau acuuuuacug 180
gcucugcuuc cugcaaucgc cuucgcagag gaacuuccug cuccaguaaa agcgauugaa 240
aaacagggca uuacaaucau caaaacauuc gaugcccccg gaggaaugaa agguuaucuc 300
ggaaaguauc aggauauggg cgucaccauc uaccugacuc cagaugguaa gcacgcuauc 360
ucugguuaca uguacaacga gaaaggugaa aaccugagua acacacuuau cgaaaaagaa 420
auuuacgcac cagccggacg cgaaaugugg caacggaugg aacaauccca cuggcuccuc 480
gacgguaaaa aagaugcgcc ggucauuguc uacgucuucg ccgauccguu cugcccauau 540
uguaaacagu ucuggcagca ggcgcgcccg uggguagauu cuggcaaagu gcaauuaaga 600
acauuguugg uuggggguau caagccagaa agcccggcga cagcagcggc aauucuugcc 660
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tactcgactt ttgcactgac tgaaaaggac aaattaatgt taaaaaagat acttttactg 180
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acattgttgg ttggggttat caagccagaa agcccggcga cagcagcggc aattcttgcc 660
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<210> 6
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<212> RNA
<213> Escherichia coli ddlB

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uguccagcau aacgucaaua cgucccccauc cuuugcaacc uaacgucguc caugcuuuca 180
gcacuaaugc cugcaaauug gccucuugug acgcuuccag accugcgggg cagaaauacu 240
gugucucauc agagagauac uucgccucau aaucauagaa gguuccggac gguugaauac 300
guauugacgg uaaaauuucu ucaccgagua ucgcaaccgu gaacuccggc ccacuuagcc 360
auuuuucaau caauacuucu ucaucgugcu gaaaugccaa ucuuaaugca ucuuguagag 420
cauuuucugc uacuacuuuu gacauuccca cacuggaacc uucgcggcuc ggcuuaacga 480
uaaccggcaa acccagagca gaaauuucug cuaacugcuu aucgcucagg ccuuuuucaa 540
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aauucagaga aacuucccgc ucagcggagg ucccacccaa caggaccgcg auuuuaucag 900
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<211> 451
<212> RNA
<213> Escherichia coli ampG

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acgauaguuu uuggucauuu uguugccauu cugcgcggua gcgaugaugg cgauauccgc 180
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gaugauuugc agauuaaccg ggccauucgg accaaccaug uaaccacgcg cggucaucug 300
uuuuuccagc acuucuugca gcaggaaacg cagaucgcgg gaggcgguca ggguaacgau 360
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<210> 8
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<212> DNA
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atctcttatt agggatggtt gcggcgagtt taggtttgcc tgcgctcagc aacgccgccg 180
aaccaaacgc gcccgcaaaa gcgacaaccc gcaaccacga gccttcagcc aaagttaact 240
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uugaccacuu ugcgcauccg gcgcagggug cgaucguuac gacuaccgaa aacuuuaguu 180
aacaauuuga uuagcauaau aaaaucucaa acgccccgcg uugcggaguu aauaaaauga 240
aguaaagguu uauuguuguu aggugaggcg uugagggcca gcacggaugc cuugcgccug 300
gcuuauccag acgggcgugc ugaauuuugc uuugggggua aaaugcgcau aaucaaugcg 360

auaacccuuu ucagacggcg ugccuuccug ggucagcagc gcgcugagcg uauccaguaa 420
ugcaagaugu ugcgccugaa gaggcaaaga uucuucagca acgggcagug uuugcggugc 480
cauugcgaaa gaaagaugac ggauuaccgu gcgaauggca uguugaugcc aguaaucaac 540
ggaauaguuc gaauucgggc ggcguguguu cgcuuccagc aaggccaauu gaccaaaguu 600
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ggcguugcug agcgcaggca aaccuaaacu cgccgcaacc aucccuaaua agagaugcgg 720
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aucccgauca uauucaaacg uauuuagcgc acaaaucuua ucauuaaagc cugcag 836